

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

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January 23, 1996

Ms. Teresa Olmsted
Manager, Environmental Projects
ITT Corporation
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Santa Ana, CA 92705-5684

**WELL INVESTIGATION PROGRAM—UNSATURATED ZONE POINT PERMEABILITY
TESTING, 1200 S. FLOWER ST., BURBANK, CA., (FILE NO. 109.0582)**

Reference is made to your consultant's, Environ, letter dated December 27, 1995, containing information on future site assessment activities for the subject site. Your consultant proposes to conduct point permeability tests at approximately 30 locations across the site in order to estimate unsaturated soil permeability and to evaluate the vertical distribution of chemicals in soil gas underlying the property. We have reviewed the proposal and have the following comments:

1. Please present theoretical equations which will be used to calculate the air permeability and other applicable data. Governing equations for hydrology may not be applicable to the air permeability.
2. Please provide a schematic diagram of the Dart sampler that will be used to perform the test, including the four way compression fitting connector that will be attached to the tubing at the ground surface. Also cite examples, if any, whereas the same method is applied as proposed.
3. Your consultant indicates that soil gas samples will be collected when the system has returned to atmospheric pressure, subsequent to conducting the permeability testing. Without compromising the permeability testing, we prefer that you collect soil gas samples before conducting the test and samples be analyzed in accordance with this Regional Board's "Requirements for Active Soil Gas Investigation (Mach 1994)".

Prior to the implementation of any site assessment activities the above-mentioned information must be addressed and information submitted to this Regional Board for review and approval.

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If you have any questions, please contact Ms. Ana Veloz at (213) 266-7590.



GREGG KWEY
Senior Water Resource
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cc: ✓ Michael Osinski, US EPA, Region IX
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